

AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions, and listings, of claims in the application.

Listing of Claims:

1. (Withdrawn) An apparatus for aligning dispenser, comprising:
a table that can move horizontally in forward/backward and left/right directions for receiving a substrate of at least one liquid crystal display panel;
first and second dummy aligning plates on the table with a certain space therebetween;
a syringe for supplying a sealant onto the first and second dummy aligning plates to form first and second alignment patterns;
a first image camera for detecting an image of the first alignment pattern;
a second image camera for detecting an image of the second alignment pattern; and
an alignment controller for aligning the image of the first image camera with a first reference position and the image of the second image camera with a second reference position.
2. (Withdrawn) The apparatus of claim 1, wherein the first and second dummy aligning plates are formed of glass smaller in area by a few times to scores of times than the substrate.
3. (Withdrawn) The apparatus of claim 2, wherein the substrate is a mother substrate having a plurality of unit liquid crystal display panels thereon.
4. (Withdrawn) The apparatus of claim 1, wherein the first and second dummy aligning plates have an area of about 100 x 100 mm.
5. (Withdrawn) The apparatus of claim 1, wherein the first image camera is provided on a side of the syringe.

6. (Withdrawn) The apparatus of claim 1, wherein the first and second aligning patterns have a horizontal pattern and a vertical pattern, which intersect at a right angle.

7. (Withdrawn) The apparatus of claim 1, wherein the alignment controller aligns the image of the first image camera with the first reference position by moving the table.

8. (Withdrawn) The apparatus of claim 1, wherein the alignment controller aligns the image of the second image camera with the second reference position by moving the second image camera.

9. (Withdrawn) The apparatus of claim 1, wherein the first and second dummy aligning plates are at predetermined positions on the table.

10. (Withdrawn) The apparatus of claim 1, wherein the alignment controller comprises:

a first display unit displaying the image of the first alignment pattern detected by the first image camera and the first reference position;

a second display unit displaying the image of the second alignment pattern detected by the second image camera and the second reference position;

a first controller for moving the table in forward/backward and left/right directions so as to align the image of the first alignment pattern and the first reference position; and

a second controller for moving the second image camera in forward/backward and left/right directions so as to align the image of the second alignment pattern and the second reference position.

11. (Currently Amended) A method for aligning a dispenser, comprising:

loading first and second dummy aligning plates onto a table with a predetermined distance therebetween, wherein the first and second dummy aligning plates are formed of glass and ~~have an area of about 100 x 100 mm~~ are smaller in area by several times to several tens of times than a mother substrate;

moving the table and supplying a sealant on the first dummy aligning plate through a syringe of a dispenser to form a first alignment pattern;

detecting a first image of the first alignment pattern by a first image camera and displaying the first image of the first alignment pattern;

moving the table in forward/backward and left/right directions through a first controller of the alignment controller in order to make the first alignment pattern and the first reference position coincide with each other;

moving the table and supplying the sealant on the second dummy aligning plate through the syringe of the dispenser to form a second alignment pattern;

moving the table in forward/backward and left/right directions so that the second dummy aligning plate is positioned at a lower side of the second image camera in order to detect a second image of the second alignment pattern through the second image camera and display the second image of the second alignment pattern;

moving the second image camera in forward/backward and left/right directions through the second controller of the alignment controller in order to make the second alignment pattern and the second reference position coincide with each other; and

unloading the first and second dummy aligning plates and loading [[a]]the mother substrate with a plurality of image display parts formed thereon onto the table to form seal patterns using the aligned dispenser.

12. (Currently Amended) The method of claim 11, wherein the first image of the first alignment pattern is displayed through a first display unit of the alignment controller.

13. (Currently Amended) The method of claim 11, wherein the second image of the second alignment pattern is displayed through a second display unit of the alignment controller.

14. (Previously Presented) The method of claim 11, wherein loading first and second dummy aligning plates onto the table with the predetermined distance therebetween includes positioning the first and second dummy aligning plates at predetermined positions on the table.

15. (Original) The method of claim 11, wherein moving the table and supplying a sealant on the first dummy aligning plate through a syringe to form a first alignment pattern includes moving the table to a first certain position.

16. (Original) The method of claim 11, wherein moving the table and supplying the sealant on the second dummy aligning plate through the syringe to form the second alignment pattern includes moving the table to a second certain position.